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说明书附图

China 02-2-88379.7
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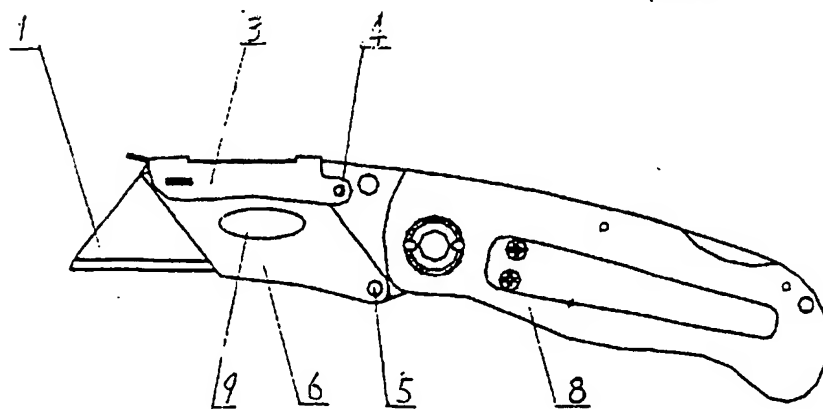


图 1

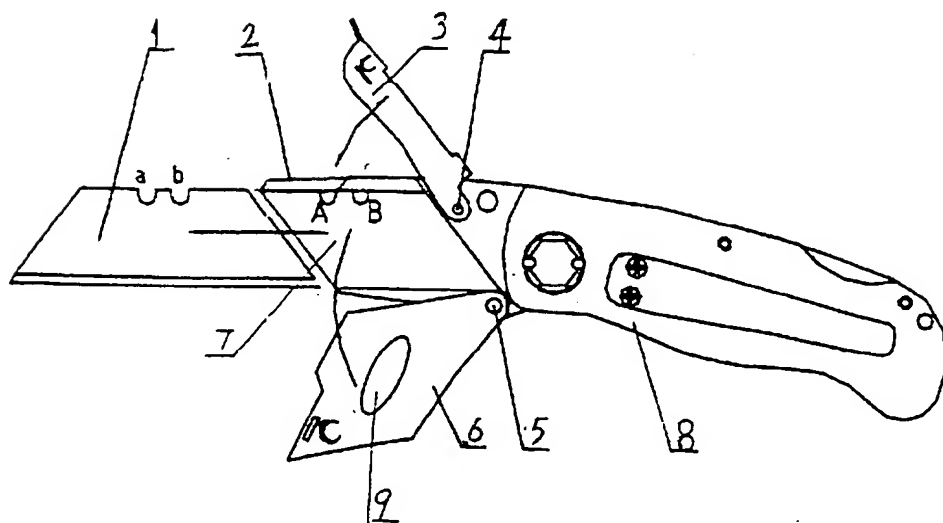


图 2

权 利 要 求 书

1、一种包括有刀架主体(2)、U形锁扣(3)和盖板(6)的新型实用刀刀架,其特征是该新型实用刀刀架的刀架主体(2)上,设置有刀片凹槽(7),U形锁扣(3)和盖板(6)分别设置于刀片凹槽(7)边缘的刀架主体(2)的上、下两侧。

2、根据权利要求1所述的新型实用刀刀架,其特征是所述的U形锁扣(3)和盖板(6)分别用销轴(4)、(5)固定,并可分别围绕销轴(4)、(5)转动。

3、根据权利要求1所述的新型实用刀刀架,其特征是所述的刀片凹槽(7)内,设置有刀片定位凸台A、B。

4、根据权利要求1所述的新型实用刀刀架,其特征是所述的U形锁扣(3)的内侧,设置有一小凸台c,在盖板(6)的外侧,设置有一沟槽C,沟槽C与在U形锁扣(3)的内侧上的一小凸台c构成一自锁机构。

说明书

新型实用刀刀架

一、技术领域

本实用新型涉及一种实用刀刀架，属于五金工具技术领域。

二、背景技术

通常使用的实用刀一般由刀片和刀架两大部分所组成。其刀片的安装方式大都是采用螺纹连接来固定其刀片的，这种实用刀更换刀片时，需要用螺丝批等工具先将螺钉旋出，换好刀片后，再将螺钉旋紧，才能固定好刀片。因此，十分麻烦。

三、发明内容

鉴于上述存在的问题，本实用新型的目的是提供一种结构简单、刀片固定可靠，且不需要任何其它工具即可十分方便、快捷地更换刀片的新型实用刀刀架。

本实用新型的发明目的是这样来实现的：

本实用新型所述的新型实用刀刀架包括有刀架主体、U形锁扣及盖板三部分，刀片安装在刀架主体上与刀片形状相吻合的刀片凹槽内，上面由可水平旋转的盖板压住，然后再用U形锁扣锁住其盖板。这样，就能在不需要任何工具的情况下，十分方便、快捷地达到更换刀片的目的。

四、附图说明

图 1 是配有手柄的本实用新型的外观示意图

图 2 是配有手柄的本实用新型的结构示意图

其中：1—刀片 2—刀架主体 3—U 形锁扣 4—销轴 5—销轴 6—盖板 7—刀片凹槽 8—手柄 9—凹槽

五、具体实施方式

新型实用刀刀架包括有刀架主体 2、U 形锁扣 3 及盖板 6 三部分，在刀架主体 2 上，设置有刀片凹槽 7，U 形锁扣 3 和盖板 6 分别设置于刀片凹槽 7 边缘的刀架主体 2 的上、下两侧；U 形锁扣 3 和盖板 6 分别用销轴 4、5 固定，并可分别围绕销轴 4、5 转动。为防止刀片 1 在刀片凹槽 7 内移动，在刀片凹槽 7 内，设置有刀片定位凸台 A、B。同时在盖板 6 上，设置有一凹槽 9，以便于用手扳动盖板。

此外，在 U 形锁扣 3 的内侧，设置有一小凸台 c，在盖板 6 的外侧，设置有一沟槽 C，沟槽 C 与在 U 形锁扣 3 的内侧上的一小凸台 c 构成一自锁机构。

本实用新型在更换刀片时十分简单、快捷。更换时，只须用手将 U 形锁扣 3 绕销轴 4 向上转动，使其内侧上的一小凸台 c 与在盖板 6 的外侧上的一沟槽 C 相脱离，然后，用手将盖板 6 绕销轴 5 往下转动，这样即可将刀片 1 从刀片凹槽 7 内取出。反之，在安装时，只须将刀片 1 上的缺口 a、b 对准刀片凹槽 7 内的刀片定位凸台 A、B，将其置于刀片凹槽 7 内，然后转动盖板 6 和 U 形锁扣 3，通过小凸台 c 与沟槽 C，使其互锁，即完成了刀片的安装。

说明书摘要

本实用新型公开了一种新型实用刀刀架，它包括有刀架主体、U形锁扣及盖板三部分，刀片安装在刀架主体上与刀片形状相吻合的刀片凹槽内，上面由可水平旋转的盖板压住，然后再用 U 形锁扣锁住其盖板。这样，就能在不需要任何工具的情况下，十分方便、快捷地达到更换刀片的目的。

DESCRIPTION

Novel Practical Knife Holder

1. Field of the Invention

This present invention relates to a practical knife holder, pertaining to the technical field of hardware tools.

2. Description of the Prior Art

A typical practical knife consists of two parts---a blade and a holder, and the blade is usually mounted by screws thereto. When replacing a blade, one must take tool kits to revolve out screws at first and then revolve them on again to fasten the blade after inserting a new one. The procedure is therefore very inconvenient.

3. Summary of the invention

In view of the foregoing disadvantages, the general purpose of this present invention is to provide a simple-structured, fix-secured and new practical knife holder, of which the blade can be replaced expediently and expeditiously without any additional tools.

The purpose of this utility model is realized by the following technical solution:

The said new practical knife holder is composed of three parts---a holder body, a "U" shape locker and a cover plate. A blade is mounted into a groove on the holder body, where the groove matches shape of the blade. A cover plate, which pivots horizontally on the top, retains the blade consequently and is locked by a "U" shape locker at final. Hence, the blade can be replaced expeditiously and conveniently without any tool kits.

4. Brief Description of Drawings

FIG.1 is an appearance view of this utility model along with a handle.

FIG.2 is a structural view novel utility model along with a handle, wherein,

1---blade 2---holder body 3---"U" shape locker 4--- pivot 5--- pivot 6--- cover plate 7--- groove for blade 8 --- handle 9 ---dent.

5. Description of the Preferred Embodiment

This novel practical knife holder comprises holder body 2, "U" shape locker 3 and cover plate 6. On the holder body 2, there disposes a groove for blade 7. Along the edges of groove for blade 7 are a "U" shape locker 3 and a cover plate 6 positioned on the upper and lower side of the holder

body 2, separately. "U" shape locker 3 and cover plate 6 are pinned by pivot 4 and pivot 5 respectively, but can rotate accordingly around pivot 4 and pivot 5. In order to prevent blade 1 gliding from groove 7, two anchor points A and B are distributed inside the groove 7. At the same time, a dent 9 is made on the surface of cover plate 6, so that the cover plate can be opened with a finger.

Moreover, on the inner side of "U" shape locker 3, there disposes a small protrusion "c", while on the outer side of cover plate 6 there is a slot "C". Slot "C" and small protrusion "c" of inner side of "U" shape locker 3 forms an auto-lock member.

Blade replacement can become simpler and easier with this novel utility. When replacing a blade, one can turn "U" shape locker 3 upward around pivot 4 to detach the small protrusion "c" from slot "C" of outer side of cover plate 6, and then turn cover plate 6 downward around pivot 5 to remove blade 1 out of the groove 7. Vice versa, when mounting, one can simply place the blade inside groove 7 with small gap "a" and gap "b" of blade 1 aiming toward anchor point A and B of groove 7, and then close the cover plate 6 and "U" shape locker 3 until small protrusion "c" and slot "C" locks automatically.

CLAIMS

1. A novel practical knife holder, comprising holder body (2), "U" shape locker (3) and cover plate (6), characterized in that:
 - a) On the holder body (2), there disposes a groove (7);
 - b) Along the edges of groove 7 are a "U" shape locker (3) and a cover plate (6) positioned on the upper and lower side of the holder body (2), separately.
2. The novel practical knife holder as defined in claim 1, characterized in that:
 - a) The said "U" shape locker (3) and cover plate (6) are pinned by pivot (4) and pivot (5) respectively;
 - b) The said "U" shape locker (3) and cover plate (6) can rotate around the pivot (4) and pivot (5) accordingly.
3. The novel practical knife holder as defined in claim 1, characterized in that: two anchor points A and B are distributed inside the said groove (7).
4. The novel practical knife holder as defined in claim 1, characterized in that: on the inner side of "U" shape locker (3), there disposes a small protrusion "c", while on the outer side of cover plate (6) there is a slot "C". Slot "C" and small protrusion "c" of inner side of "U" shape

locker (3) forms an auto-lock member.